

Patent claims

1. Light sensor to record the position of a light source (1)

5 - with a photo detector (2),

- with a light modulator (3) to modulate the quantity of light

hitting the photo detector (2) depending on the incident angle

(α) of the light of the light source (1) on the sensor,

- whereby light hitting the sensor from the outside essentially

10 falls on the photo detector (2) without dispersion.

2. Light sensor according to claim 1,

which is equipped with a sealing cap (4).

15 3. Light sensor according to one of the claims 1 or 2, whereby an

absorption element (5) is installed in the path of rays (101, 102, 103, 104) of the incident

light.

4. Light sensor according to one of the claims 1 to 3, whereby the

20 absorption element (5) represents a disk between the photo detector (2) and the modulator

(3).

5. Light sensor according to one of the claims 1 to 4,

Whereby the light modulator (3) is transparent block which is provided with a cavity (6) from the side where the light comes in.

6. Light sensor according to claim 5,

5 whereby the cavity (6) features disk-shaped superposed areas (81, 82, 83) of which each contains cone-shaped side walls.